

## ABSTRACT OF THE DISCLOSURE

5      Dispersions of hybrid polyurethane particles are made using miniemulsion  
techniques. An isocyanate-terminated prepolymer and a monomer are mixed and  
dispersed in an aqueous phase to form a dispersion of droplets. All droplets are  
polymerized and chain-extended in one step to form hybrid particles containing a  
polyurethane and a polymer of the monomer. This process provides a simple  
method of making hybrid particles, in which particle size and the number of  
10     particles is controlled in the mixing step. The hybrid particles often have a core-  
shell morphology, with the polyurethane being concentrated in the shell and the  
polymer being concentrated in the center of the particle.